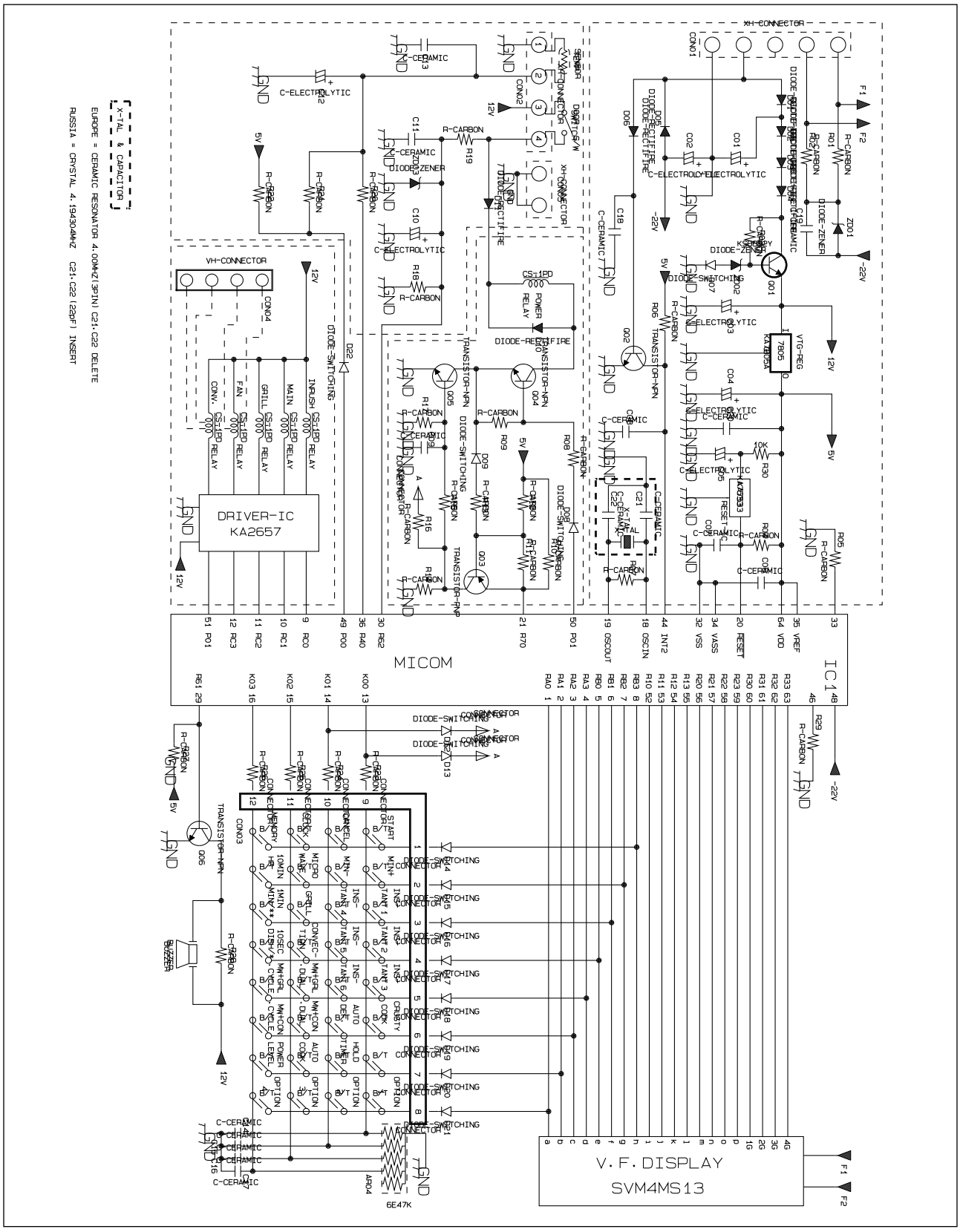
8. P.C.B Diagrams

8-1 P.C.B Diagrams



8-2 P.C.B Parts List

Parts No.	Description / Specification	Q'ty	Remarks
3501-000265	RELAY-POWER;12V,-,16A,-,15mS,15mS	1	GRILL
3501-000265	RELAY-POWER;12V,-,16A,-,15mS,15mS	1	INRUSH
3501-000265	RELAY-POWER;12V,-,16A,-,15mS,15mS	1	MAIN
3501-000265	RELAY-POWER;12V,-,16A,-,15mS,15mS	1	POWER
3708-000527	CONNECTOR-FPC/FC/PIC;12P,2.54mm,STRAIGHT,SN	1	CON03
3711-000315	CONNECTOR-HEADER;1WALL,7P,1R,3.96mm,STRAIGHT,SN	1	CON04
3711-002662	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGHT,SN	1	CON05
DE07-10052A	V.F.DISPLAY;SVM-4MS13S,MWO,RE-1280	1	-
DE09-30190A	IC-MCU;TMP47C862H-P582CZ,DIP,RE-1300	1	-
DE13-20016A	IC-VOLT REGU;KA7805A,TO-220AB,1A,0/125C	1	V-REG
DE13-20017A	IC-DRIVE;KID65003AP,DIP,16P,STICK,TR-AR	1	IC02
DE30-20016A	BUZZER;CBE2220BA,STICK	1	BUZZER
DE61-90048D	HOLDER-DIGITRON;NYLON#66,10G,BLK	1	-
DE91-20122A	ASSY PCB AUTO-MAIN;230V50HZ,RE-1300	1	-
0401-001002	DIODE-SWITCHING;1N4148M,100V,200mA,DO-34,TP	6	D07,D08,D09,D12,D13,D15
0401-001002	DIODE-SWITCHING;1N4148M,100V,200mA,DO-34,TP	7	D16,D17,D18,D19,D20,D21,D22
0402-000559	DIODE-RECTIFIER;D4G,400V,1A,T-1,-	8	D01,D02,D03,D04,D05,D06,D10,D11
0403-000150	DIODE-ZENER;1N4743A,13V,5%,1W,DO-41,TP	1	ZD02
0403-000525	DIODE-ZENER;1N4733A,5.1V,5%,1W,DO-41,TP	2	ZD01,ZD03
0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,TP,120-	1	Q03
0501-000388	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,BK,120-	2	Q04,Q05
0502-000303	TR-POWER;KSD882,NPN,1W,TO-126,TP,160-32	1	Q01
0504-001014	TR-DIGITAL;KSR1005,NPN,300mW,4.7K-10K,TO-	2	Q02,Q06
2001-000042	R-CARBON;1Kohm,5%,1/4W,AA,TP,2.4x6.4mm	6	R04,R10,R19,R27,R28,R30
2001-000062	R-CARBON;470ohm,5%,1/4W,AA,TP,2.4x6.4mm	3	R01,R02,R03
2001-000065	R-CARBON;10Kohm,5%,1/4W,AA,TP,2.4x6.4mm	5	R06,R09,R11,R12,R17
2001-000084	R-CARBON;100Kohm,5%,1/4W,AA,TP,2.4x6.4m	1	R14
2001-000432	R-CARBON;1Mohm,5%,1/4W,AA,TP,2.4x6.4mm	1	R07
2001-000575	R-CARBON;2Kohm,5%,1/4W,AA,TP,2.4x6.4mm	1	R18
2001-000611	R-CARBON;3.9Kohm,5%,1/4W,AA,TP,2.4x6.4m	6	R05,R08,R13,R15,R16
2001-000611	R-CARBON;3.9Kohm,5%,1/4W,AA,TP,2.4x6.4m	5	R20,R23,R24,R25,R26,R29
2004-000193	R-METAL;100Kohm,1%,1/4W,AA,TP,2.4x6.4m	1	R22
2004-001118	R-METAL;5Kohm,1%,1/4W,AA,TP,2.4x6.4mm	1	R21
2011-001072	R-NETWORK;47Kohm,5%,1/8W,A,SIP,6P,TP	1	AR04
2201-000442	C-CERAMIC,DISC;3.3nF,10%,50V,X7R,-,-,08x5.0	4	C14,C15,C16,C17
2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V,TP,-,7.5	1	C09
2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5V,TP,3.5x1	8	C06,C07,C08,C11,C13,C18,C19,C20
2401-000180	C-AL;1000uF,20%,35V,GP,-,16x25x7.5m	1	C01
2401-000244	C-AL;100uF,20%,10V,GP,TP,6.3x7,5	1	C04
2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	2	C10,C12
2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	1	C05
2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	2	C02,C03
2802-000161	RESONATOR-CERAMIC;4MHz,0.5%,TP,10.0x5.0x7.5mm	1	X-TAL
3501-000334	RELAY-REED;12V,1250VA,10A,-,10mS,5mS	1	CONV.
3501-000334	RELAY-REED;12V,1250VA,10A,-,10mS,5mS	1	FAN
3711-000940	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGHT,SN	1	CON02
3711-000999	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGHT,SN	1	CON01
DE13-20009A	IC;KA7533,DIP	1	RESET ⚠
DE39-60001A	WIRE-SO COPPER;PI0.6,SN,T,52MM,TAPING_WIRE	23	J01~J23